

PATENT ABSTRACTS OF JAPAN

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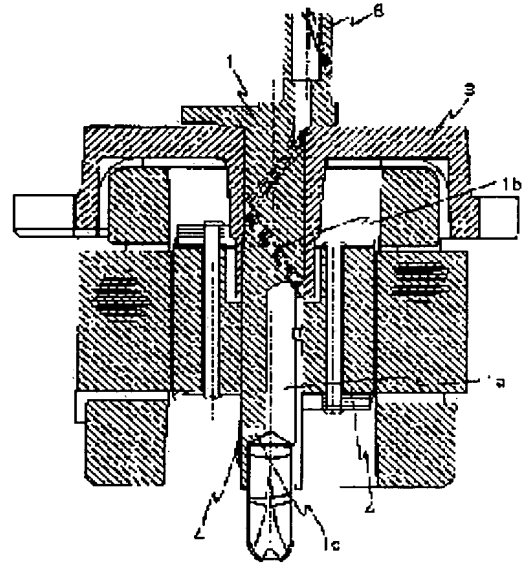
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(54) HERMETIC COMPRESSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To solve the noise by the oil excessively supplied by the high-speed rotation of a compressor by providing an opening allowing an oil feed passage to communicate with the outside, and setting a valve openable and closable according to the rotating speed of a shaft on the opening.

SOLUTION: In a low-speed rotation with small centrifugal force, the tip of a vent valve blocks a vent hole 1c by the elasticity of the vent valve and the viscosity of the lubricating oil adhered into the groove around the vent hole 1c to ensure the tightness and prevent the outflow of the lubricating oil through the vent hole 1c. On the other hand, in a high-speed rotation, when the speed is so increased that the centrifugal force added to the tip of the vent valve becomes larger than the resultant force of the force of pressing the vent hole by the elasticity of the vent valve and the adhesive force of the lubricating oil, the vent valve is opened to allow the degassing. Further, the diameter of the vent hole 1c is set larger than in the past, whereby the lubricating oil can be carried out further more through the vent hole 1c, and the noise can be solved by providing this valve.



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